

10/797, 626

NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 15:21:37 ON 16 DEC 2006

=> fil reg
COST IN U.S. DOLLARS. SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST . 0.21 0.21

FILE 'REGISTRY' ENTERED AT 15:21:56 ON 16 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 DEC 2006 HIGHEST RN 915749-75-6
DICTIONARY FILE UPDATES: 15 DEC 2006 HIGHEST RN 915749-75-6

New CAS Information Use Policies, enter **HELP USAGETERMS** for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> S STQNASLLSLTVC/SQSP
L1 1 STQNASLLSLTVC/SQSP

FILE 'HCAPLUS' ENTERED AT 15:22:34 ON 16 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

10/797,626

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTATSH1654

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 4 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 5 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 6 SEP 11 CA/CAplus enhanced with more pre-1907 records
NEWS 7 SEP 21 CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 8 SEP 25 CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 9 SEP 25 CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 10 SEP 25 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 11 SEP 28 CEABA-VTB classification code fields reloaded with new classification scheme
NEWS 12 OCT 19 LOGOFF HOLD duration extended to 120 minutes
NEWS 13 OCT 19 E-mail format enhanced
NEWS 14 OCT 23 Option to turn off MARPAT highlighting enhancements available
NEWS 15 OCT 23 CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 16 OCT 23 The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS 17 OCT 30 CHEMLIST enhanced with new search and display field
NEWS 18 NOV 03 JAPIO enhanced with IPC 8 features and functionality
NEWS 19 NOV 10 CA/CAplus F-Term thesaurus enhanced
NEWS 20 NOV 10 STN Express with Discover! free maintenance release Version 8.01c now available
NEWS 21 NOV 13 CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS 22 NOV 20 CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS 23 NOV 20 CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS 24 DEC 01 CAS REGISTRY updated with new ambiguity codes
NEWS 25 DEC 11 CAS REGISTRY chemical nomenclature enhanced
NEWS 26 DEC 14 WPIDS/WPINDEX/WPIX manual codes updated
NEWS 27 DEC 14 GBFULL and FRFULL enhanced with IPC 8 features and functionality

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

T.S. Heard Ph.D.

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 16 Dec 2006 VOL 145 ISS 26
 FILE LAST UPDATED: 15 Dec 2006 (20061215/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L1
 L2 2 L1

=> D L2 1-2 IBIB ABS HITSTR

L2 ANSWER 1 OF 2 HCPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:977981 HCPLUS
 DOCUMENT NUMBER: 145:334147
 TITLE: Methods of inhibiting angiogenesis and tumor development
 INVENTOR(S): Brooks, Peter, C.; Akalu, Abebe; Cretu, Alexandra; Pollicarpio, Desiree
 PATENT ASSIGNEE(S): New York University, USA
 SOURCE: PCT Int. Appl., 153pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2006098987 | A2 | 20060921 | WO 2006-US8266 | 20060309 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| US 2006216236 | A1 | 20060928 | US 2006-371620 | 20060309 |
| US 2006216237 | A1 | 20060928 | US 2006-372367 | 20060309 |
| US 2006240002 | A1 | 20061026 | US 2006-371626 | 20060309 |
| PRIORITY APPLN. INFO.: | | | US 2005-660713P | P 20050311 |
| | | | US 2005-660889P | P 20050311 |

US 2005-660903P P 20050311
 US 2005-711049P P 20050824
 US 2005-711177P P 20050825

AB The authors disclose methods for identifying genes and proteins modulated by antagonism of extracellular matrix (ECM) ligands that specifically interact with $\alpha v\beta 3$ integrin. The authors also disclose using the identified genes and proteins for inhibiting angiogenesis, tumor metastasis, and other tumor developmental processes, including cell migration, cell adhesion, cell proliferation, and tumor growth and for treating angiogenesis-dependent conditions. In one example, a monoclonal antibody antagonist of $\alpha v\beta 3$ is shown to modulate the expression of IGFBP-4, TSP-1, Id-1, p27KIP, and p21CIP.

IT 771528-84-8

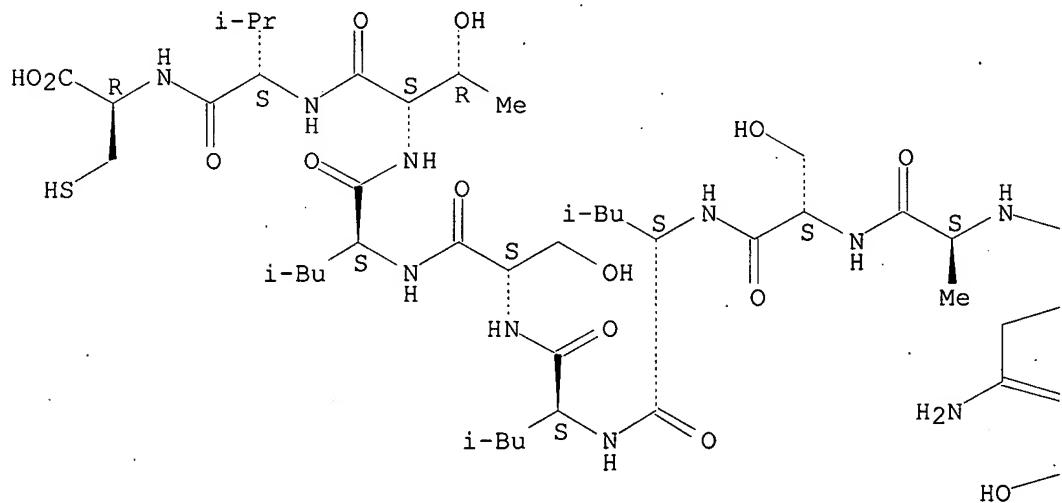
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (antagonists of extracellular matrix ligand/ $\alpha v\beta 3$ integrin interaction for inhibition of tumor angiogenesis and metastasis)

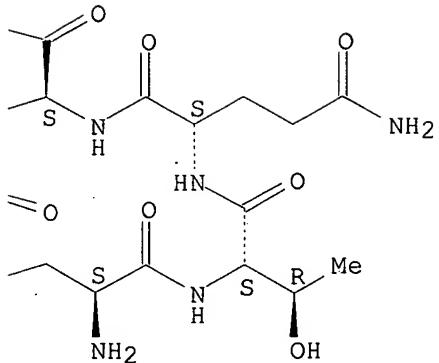
RN 771528-84-8 HCPLUS

CN L-Cysteine, L-seryl-L-threonyl-L-glutaminyl-L-asparaginyl-L-alanyl-L-seryl-L-leucyl-L-leucyl-L-seryl-L-leucyl-L-threonyl-L-valyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A





L2 ANSWER 2 OF 2 HCPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:857618 HCPLUS

DOCUMENT NUMBER: 141:325699

TITLE: Methods for inhibiting angiogenesis, tumor growth and metastasis by using Stq-peptides as antagonists to bind to denatured laminin

INVENTOR(S): Brooks, Peter C.; Akalu, Abebe

PATENT ASSIGNEE(S): New York University, USA

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|--|----------|
| WO 2004087734 | A2 | 20041014 | WO 2004-US9332 | 20040326 |
| WO 2004087734 | A3 | 20050728 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, CN, CO, CR, CU, CZ, DE, DK, GE, GH, GM, HR, HU, ID, IL, LK, LR, LS, LT, LU, LV, MA, NO, NZ, OM, PG, PH, PL, PT, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | BA, BB, BG, BR, BW, BY, BZ, CA, CH, DM, DZ, EC, EE, EG, ES, FI, GB, GD, IN, IS, JP, KE, KG, KP, KR, KZ, LC, MD, MG, MK, MN, MW, MX, MZ, NA, NI, RO, RU, SC, SD, SE, SG, SK, SL, SY, TZ, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | |
| RW: BW, GH, GM, KE, LS, MW, MZ, BY, KG, KZ, MD, RU, TJ, TM, ES, FI, FR, GB, GR, HU, IE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | AT, BE, BG, CH, CY, CZ, DE, DK, EE, IT, LU, MC, NL, PL, PT, RO, SE, SI, | |
| US 2004224896 | A1 | 20041111 | US 2004-797626 | 20040309 |
| AU 2004225986 | A1 | 20041014 | AU 2004-225986 | 20040326 |
| CA 2520372 | A1 | 20041014 | CA 2004-2520372 | 20040326 |
| EP 1611151 | A2 | 20060104 | EP 2004-758409 | 20040326 |

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK

JP 2006524241 T 20061026 JP 2006-509356 20040326

PRIORITY APPLN. INFO.: US 2003-458523P P 20030328
WO 2004-US9332 A 20040326

AB The invention describes methods for inhibiting angiogenesis, tumor growth and metastasis in a tissue of a mammal by administering an antagonist that specifically binds to a proteolyzed or denatured laminin with substantially greater affinity than to the native form of laminin. Methods utilizing such antagonists for therapeutic treatment of tumor growth, tumor metastasis or of restenosis also are described, as are methods to use such antagonists as diagnostic markers of angiogenesis in normal or diseased tissues both in vivo and ex vivo.

IT 771528-84-8P

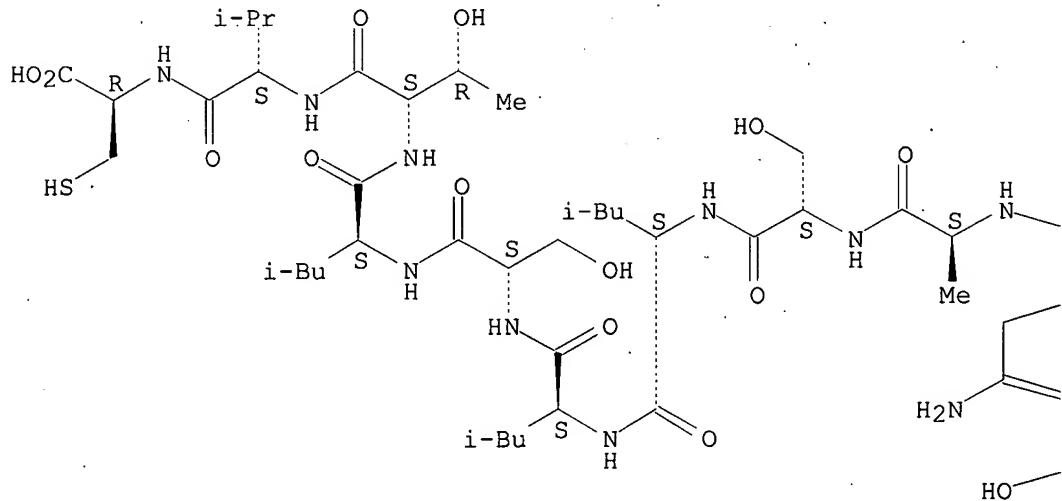
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; inhibiting angiogenesis, tumor growth and metastasis by using Stq-peptides as antagonists to bind to denatured laminin)

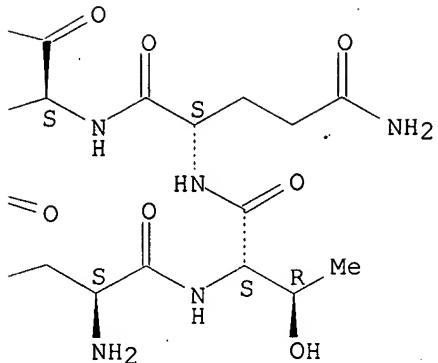
RN 771528-84-8 HCPLUS

CN L-Cysteine, L-seryl-L-threonyl-L-glutaminyl-L-asparaginyl-L-alanyl-L-seryl-L-leucyl-L-leucyl-L-seryl-L-leucyl-L-threonyl-L-valyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A





| | | | |
|--|------------|---------|--|
| => FIL REG | | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL | |
| | ENTRY | SESSION | |
| FULL ESTIMATED COST | 15.28 | 44.38 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL | |
| CA SUBSCRIBER PRICE | ENTRY | SESSION | |
| | -1.50 | -1.50 | |

FILE 'REGISTRY' ENTERED AT 15:23:44 ON 16 DEC 2006
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 15 DEC 2006 HIGHEST RN 915749-75-6
 DICTIONARY FILE UPDATES: 15 DEC 2006 HIGHEST RN 915749-75-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

10/797, 626

=> S KGGCSTQNAQLLSSLIVGKA/SQSP
L3 1 KGGCSTQNAQLLSSLIVGKA/SQSP

| | | | |
|--|--|------------|---------|
| => FIL HCAP | | | |
| COST IN U.S. DOLLARS | | SINCE FILE | TOTAL |
| | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 29.33 | 73.71 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | | SINCE FILE | TOTAL |
| | | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | | 0.00 | -1.50 |

FILE 'HCAPLUS' ENTERED AT 15:24:44 ON 16 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 16 Dec 2006 VOL 145 ISS 26
FILE LAST UPDATED: 15 Dec 2006 (20061215/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L3
L4 2 L3

=> D L4 1-2 IBIB ABS HITSTR

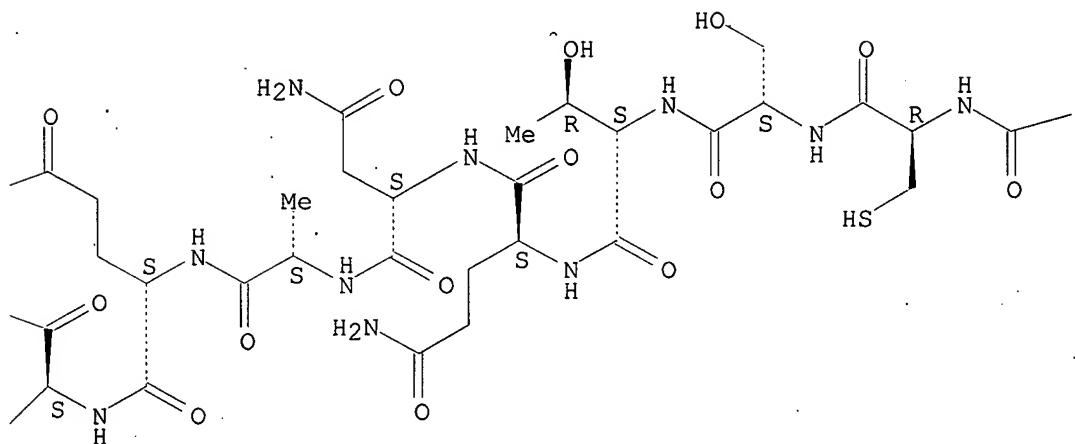
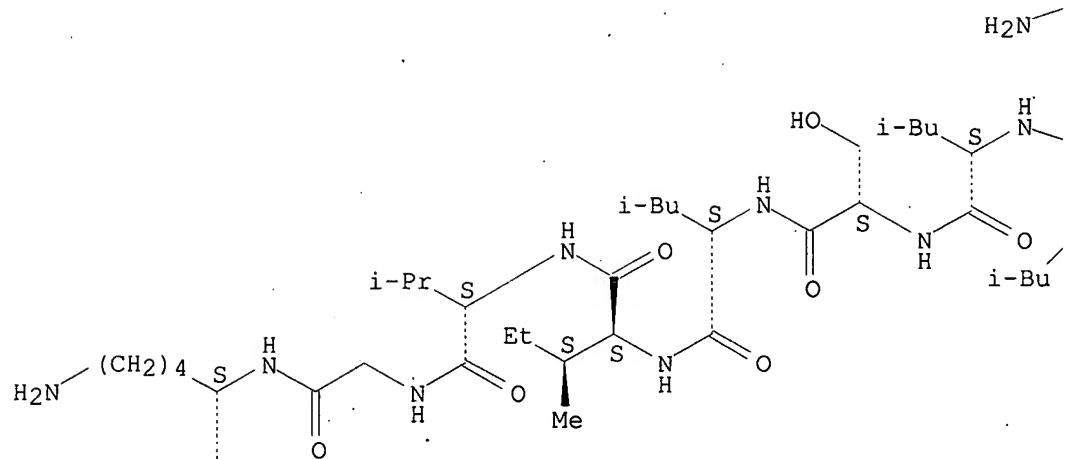
L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:977981 HCAPLUS
DOCUMENT NUMBER: 145:334147
TITLE: Methods of inhibiting angiogenesis and tumor development
INVENTOR(S): Brooks, Peter, C.; Akalu, Abebe; Cretu, Alexandra; Pollicarpio, Desiree
PATENT ASSIGNEE(S): New York University, USA
SOURCE: PCT Int. Appl., 153pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

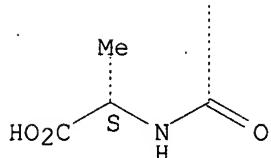
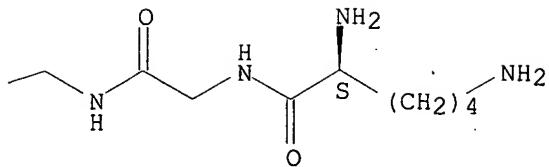
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|-------|-------|-----------------|-------|
| ----- | ----- | ----- | ----- | ----- |

T.S. Heard Ph.D.

| | | | | |
|---|--|----------|-----------------|------------|
| WO 2006098987 | A2 | 20060921 | WO 2006-US8266 | 20060309 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| US 2006216236 | A1 | 20060928 | US 2006-371620 | 20060309 |
| US 2006216237 | A1 | 20060928 | US 2006-372367 | 20060309 |
| US 2006240002 | A1 | 20061026 | US 2006-371626 | 20060309 |
| PRIORITY APPLN. INFO.: | | | | |
| | | | US 2005-660713P | P 20050311 |
| | | | US 2005-660889P | P 20050311 |
| | | | US 2005-660903P | P 20050311 |
| | | | US 2005-711049P | P 20050824 |
| | | | US 2005-711177P | P 20050825 |
| AB | The authors disclose methods for identifying genes and proteins modulated by antagonism of extracellular matrix (ECM) ligands that specifically interact with $\alpha v\beta 3$ integrin. The authors also disclose using the identified genes and proteins for inhibiting angiogenesis, tumor metastasis, and other tumor developmental processes, including cell migration, cell adhesion, cell proliferation, and tumor growth and for treating angiogenesis-dependent conditions. In one example, a monoclonal antibody antagonist of $\alpha v\beta 3$ is shown to modulate the expression of IGFBP-4, TSP-1, Id-1, p27KIP, and p21CIP. | | | |
| IT | 771528-86-0 RL: PRP (Properties) (unclaimed sequence; methods of inhibiting angiogenesis and tumor development) | | | |
| RN | 771528-86-0 HCPLUS | | | |
| CN | L-Alanine, L-lysylglycylglycyl-L-cysteinyl-L-seryl-L-threonyl-L-glutaminyl-L-asparaginyl-L-alanyl-L-glutaminyl-L-leucyl-L-leucyl-L-seryl-L-leucyl-L-isoleucyl-L-valylglycyl-L-lysyl- (9CI) (CA INDEX NAME) | | | |

Absolute stereochemistry.





L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:857618 HCAPLUS
 DOCUMENT NUMBER: 141:325699
 TITLE: Methods for inhibiting angiogenesis, tumor growth and metastasis by using Stq-peptides as antagonists to bind to denatured laminin
 INVENTOR(S): Brooks, Peter C.; Akalu, Abebe
 PATENT ASSIGNEE(S): New York University, USA
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|--|----------|-----------------|----------|
| WO 2004087734 | A2 | 20041014 | WO 2004-US9332 | 20040326 |
| WO 2004087734 | A3 | 20050728 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, CN, CO, CR, CU, CZ, DE, DK, GE, GH, GM, HR, HU, ID, IL, LK, LR, LS, LT, LU, LV, MA, NO, NZ, OM, PG, PH, PL, PT, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | BA, BB, BG, BR, BW, BY, BZ, CA, CH, DM, DZ, EC, EE, EG, ES, FI, GB, GD, IN, IS, JP, KE, KG, KP, KR, KZ, LC, MD, MG, MK, MN, MW, MX, MZ, NA, NI, RO, RU, SC, SD, SE, SG, SK, SL, SY, UG, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2004224896 | A1 | 20041111 | US 2004-797626 | 20040309 |
| AU 2004225986 | A1 | 20041014 | AU 2004-225986 | 20040326 |
| CA 2520372 | A1 | 20041014 | CA 2004-2520372 | 20040326 |
| EP 1611151 | A2 | 20060104 | EP 2004-758409 | 20040326 |
| R: AT, BE, CH, DE, DK, ES, FR, IE, SI, LT, LV, FI, RO, MK | GB, GR, IT, LI, LU, NL, SE, MC, PT, CY, AL, TR, BG, CZ, EE, HU, PL, SK | | | |

| | | | |
|------------------------|------------|-----------------|------------|
| JP 2006524241 | T 20061026 | JP 2006-509356 | 20040326 |
| PRIORITY APPLN. INFO.: | | US 2003-458523P | P 20030328 |
| | | WO 2004-US9332 | A 20040326 |

AB The invention describes methods for inhibiting angiogenesis, tumor growth and metastasis in a tissue of a mammal by administering an antagonist that specifically binds to a proteolyzed or denatured laminin with substantially greater affinity than to the native form of laminin. Methods utilizing such antagonists for therapeutic treatment of tumor growth, tumor metastasis or of restenosis also are described, as are methods to use such antagonists as diagnostic markers of angiogenesis in normal or diseased tissues both in vivo and ex vivo.

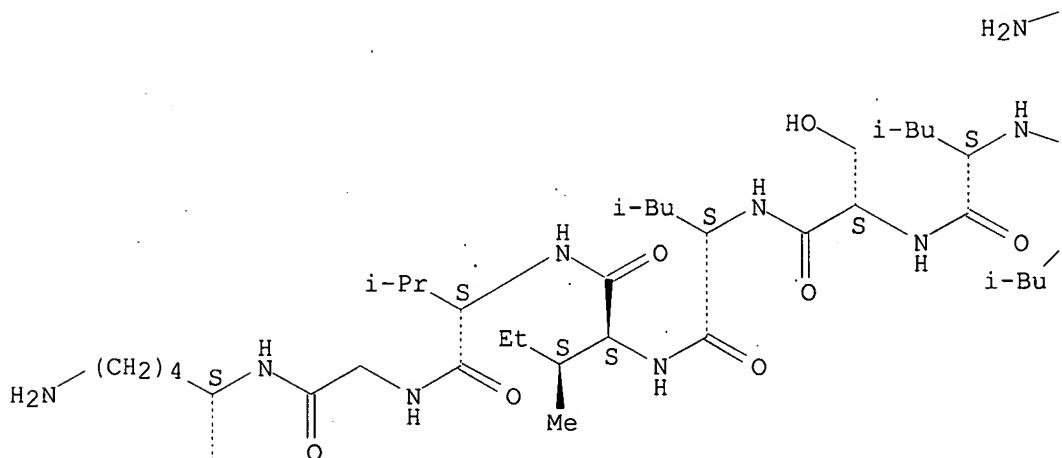
IT 771528-86-0P
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (amino acid sequence; inhibiting angiogenesis, tumor growth and metastasis by using Stq-peptides as antagonists to bind to denatured laminin)

RN 771528-86-0 HCPLUS

CN L-Alanine, L-lysylglycylglycyl-L-cysteinyl-L-seryl-L-threonyl-L-glutaminyl-L-asparaginyl-L-alanyl-L-glutaminyl-L-leucyl-L-leucyl-L-seryl-L-leucyl-L-isoleucyl-L-valylglycyl-L-lysyl- (9CI) (CA INDEX NAME)

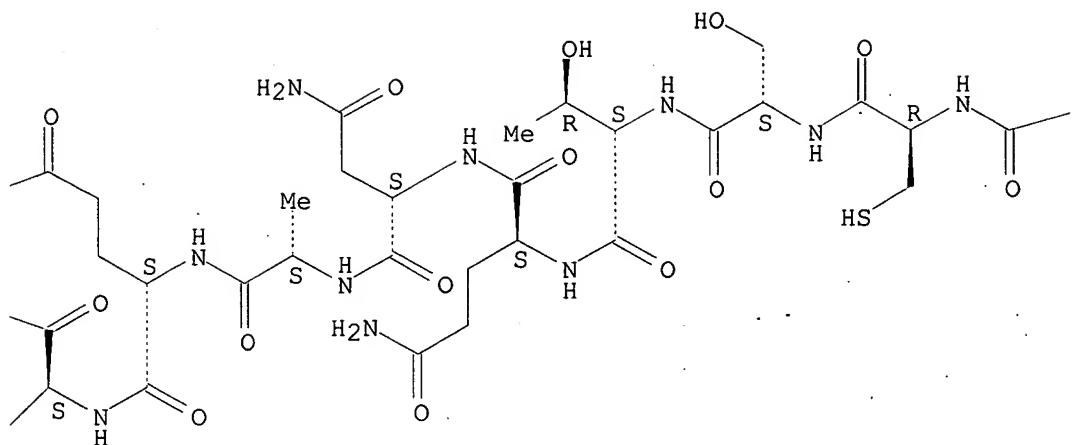
Absolute stereochemistry.

PAGE 1-A

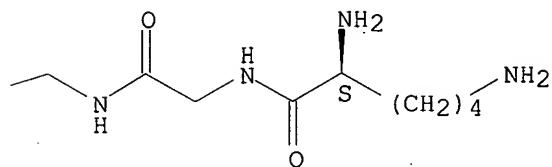


10/797,626

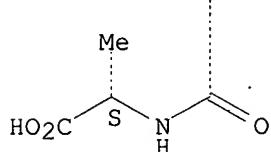
PAGE 1-B



PAGE 1-C



PAGE 2-A



=> FIL REG
COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE TOTAL
ENTRY SESSION

15.28 88.99

SINCE FILE TOTAL
ENTRY SESSION

-1.50 -3.00

FILE 'REGISTRY' ENTERED AT 15:25:43 ON 16 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

T. S. Heard Ph.D.

10/797, 626

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 DEC 2006 HIGHEST RN 915749-75-6
DICTIONARY FILE UPDATES: 15 DEC 2006 HIGHEST RN 915749-75-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> S KGGSTQNAQLLSSLIVGKA/SQSP
L5 1 KGGSTQNAQLLSSLIVGKA/SQSP

| | SINCE FILE ENTRY | TOTAL SESSION |
|--|---------------------|------------------|
| COST IN U.S. DOLLARS | | |
| FULL ESTIMATED COST | 28.89 | 117.88 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -3.00 |

FILE 'HCAPLUS' ENTERED AT 15:26:14 ON 16 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 16 Dec 2006 VOL 145 ISS 26
FILE LAST UPDATED: 15 Dec 2006 (20061215/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L5
L6 2 L5

T.S. Heard Ph.D.

=> D L6 1-2 IBIB ABS HITSTR

L6 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:977981 HCAPLUS
 DOCUMENT NUMBER: 145:334147
 TITLE: Methods of inhibiting angiogenesis and tumor development
 INVENTOR(S): Brooks, Peter, C.; Akalu, Abebe; Cretu, Alexandra; Pollicarpio, Desiree
 PATENT ASSIGNEE(S): New York University, USA
 SOURCE: PCT Int. Appl., 153pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2006098987 | A2 | 20060921 | WO 2006-US8266 | 20060309 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| US 2006216236 | A1 | 20060928 | US 2006-371620 | 20060309 |
| US 2006216237 | A1 | 20060928 | US 2006-372367 | 20060309 |
| US 2006240002 | A1 | 20061026 | US 2006-371626 | 20060309 |
| PRIORITY APPLN. INFO.: | | | US 2005-660713P | P 20050311 |
| | | | US 2005-660889P | P 20050311 |
| | | | US 2005-660903P | P 20050311 |
| | | | US 2005-711049P | P 20050824 |
| | | | US 2005-711177P | P 20050825 |

AB The authors disclose methods for identifying genes and proteins modulated by antagonism of extracellular matrix (ECM) ligands that specifically interact with $\alpha\beta 3$ integrin. The authors also disclose using the identified genes and proteins for inhibiting angiogenesis, tumor metastasis, and other tumor developmental processes, including cell migration, cell adhesion, cell proliferation, and tumor growth and for treating angiogenesis-dependent conditions. In one example, a monoclonal antibody antagonist of $\alpha\beta 3$ is shown to modulate the expression of IGFBP-4, TSP-1, Id-1, p27KIP, and p21CIP.

IT 771528-88-2

RL: PRP (Properties)
 (unclaimed sequence; methods of inhibiting angiogenesis and tumor development)

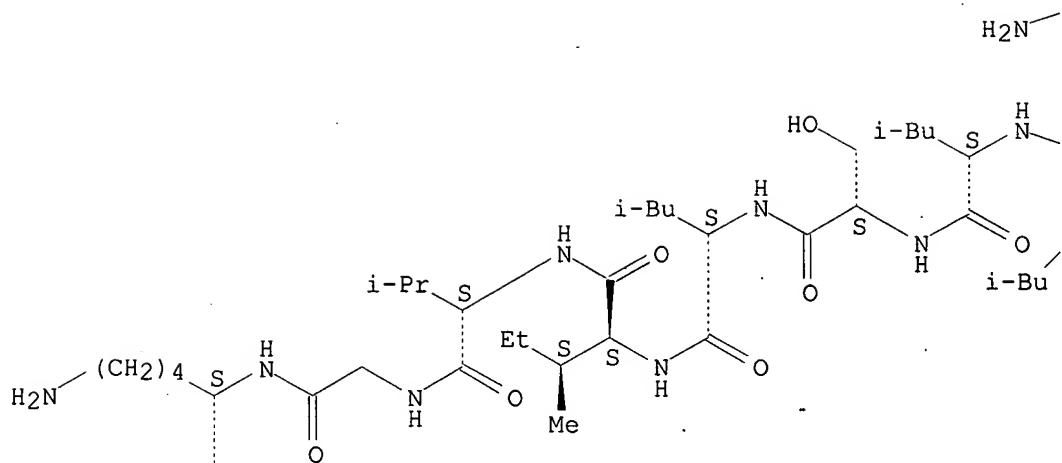
RN 771528-88-2 HCAPLUS

CN L-Alanine, L-lysylglycylglycyl-L-seryl-L-threonyl-L-glutaminyl-L-asparaginyl-L-alanyl-L-glutaminyl-L-leucyl-L-leucyl-L-seryl-L-leucyl-L-isoleucyl-L-valylglycyl-L-lysyl- (9CI) (CA INDEX NAME)

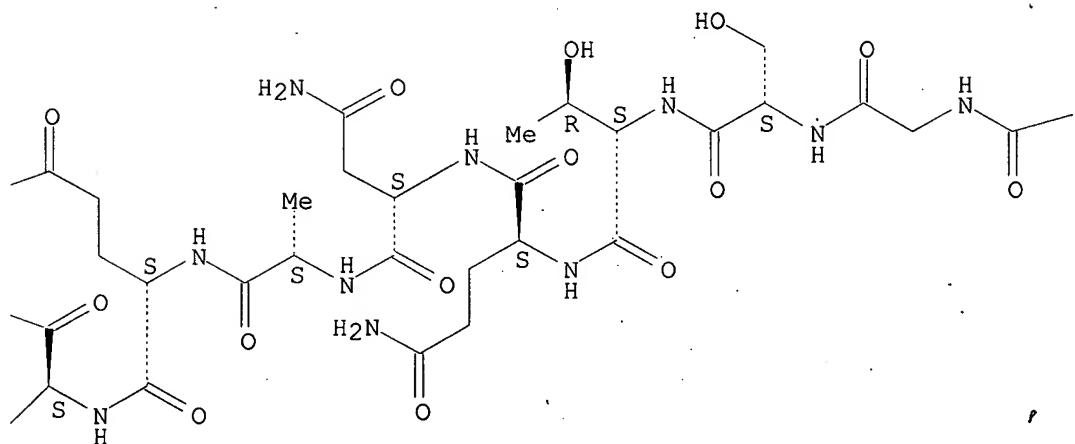
10/797,626

Absolute stereochemistry.

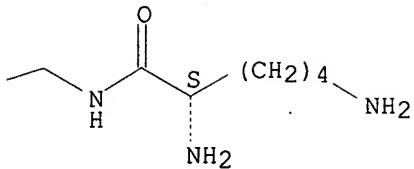
PAGE 1-A



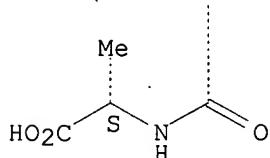
PAGE 1-B



T.S. Heard Ph.D.



PAGE 2-A



L6 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:857618 HCAPLUS
DOCUMENT NUMBER: 141:325699
TITLE: Methods for inhibiting angiogenesis, tumor growth and metastasis by using Stq-peptides as antagonists to bind to denatured laminin
INVENTOR(S): Brooks, Peter C.; Akalu, Abebe
PATENT ASSIGNEE(S): New York University, USA
SOURCE: PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2004087734 | A2 | 20041014 | WO 2004-US9332 | 20040326 |
| WO 2004087734 | A3 | 20050728 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2004224896 | A1 | 20041111 | US 2004-797626 | 20040309 |
| AU 2004225986 | A1 | 20041014 | AU 2004-225986 | 20040326 |
| CA 2520372 | A1 | 20041014 | CA 2004-2520372 | 20040326 |
| EP 1611151 | A2 | 20060104 | EP 2004-758409 | 20040326 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK | | | | |

| | | | |
|------------------------|------------|-----------------|------------|
| JP 2006524241 | T 20061026 | JP 2006-509356 | 20040326 |
| PRIORITY APPLN. INFO.: | | US 2003-458523P | P 20030328 |
| | | WO 2004-US9332 | A 20040326 |

AB The invention describes methods for inhibiting angiogenesis, tumor growth and metastasis in a tissue of a mammal by administering an antagonist that specifically binds to a proteolyzed or denatured laminin with substantially greater affinity than to the native form of laminin. Methods utilizing such antagonists for therapeutic treatment of tumor growth, tumor metastasis or of restenosis also are described, as are methods to use such antagonists as diagnostic markers of angiogenesis in normal or diseased tissues both in vivo and ex vivo.

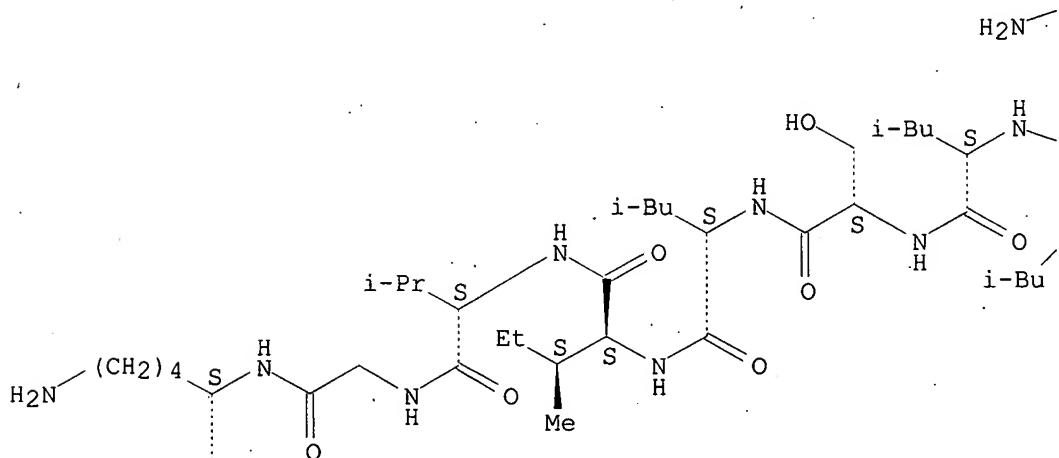
IT 771528-88-2P
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (amino acid sequence; inhibiting angiogenesis, tumor growth and metastasis by using Stq-peptides as antagonists to bind to denatured laminin)

RN 771528-88-2 HCPLUS

CN L-Alanine, L-lysylglycylglycyl-L-seryl-L-threonyl-L-glutaminyl-L-asparaginyl-L-alanyl-L-glutaminyl-L-leucyl-L-leucyl-L-seryl-L-leucyl-L-isoleucyl-L-valylglycyl-L-lysyl- (9CI) (CA INDEX NAME)

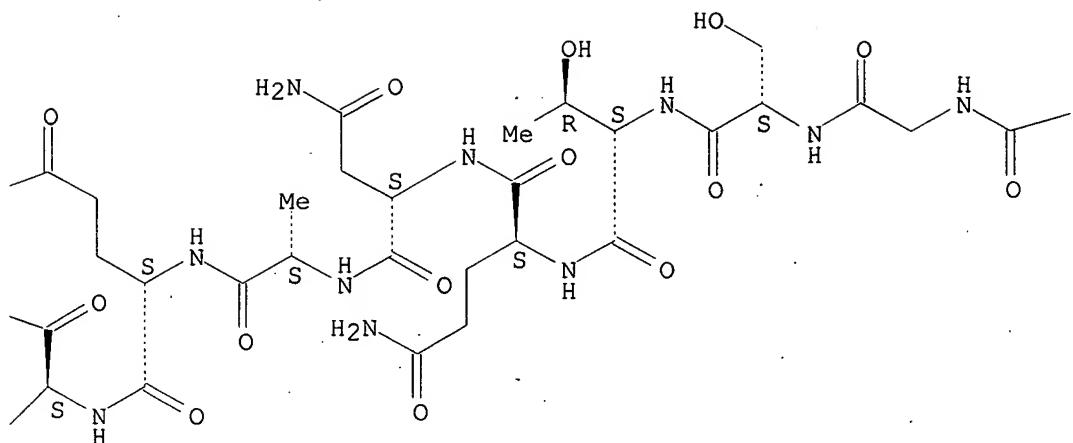
Absolute stereochemistry.

PAGE 1-A

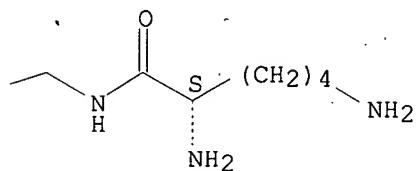


10/797, 626

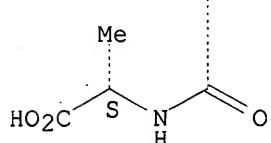
PAGE 1-B



PAGE 1-C



PAGE 2-A



=> D QUE STAT

L5 1 SEA FILE=REGISTRY ABB=ON PLU=ON KGGSTQNAQLLSQLVGKA/SQSP
L6 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L5

=> D HIS FULL

(FILE 'HOME' ENTERED AT 15:21:37 ON 16 DEC 2006)

L1 FILE 'REGISTRY' ENTERED AT 15:21:56 ON 16 DEC 2006
1 SEA ABB=ON PLU=ON STQNASLLSLTVC/SQSP

FILE 'HCAPLUS' ENTERED AT 15:22:34 ON 16 DEC 2006

T.S. Heard Ph.D.

10/797, 626

L2 2 SEA ABB=ON PLU=ON L1
 D L2 1-2 IBIB ABS HITSTR

L3 FILE 'REGISTRY' ENTERED AT 15:23:44 ON 16 DEC 2006
 1 SEA ABB=ON PLU=ON KGGCSTQNAQLLSLIVGKA/SQSP

L4 FILE 'HCAPLUS' ENTERED AT 15:24:44 ON 16 DEC 2006
 2 SEA ABB=ON PLU=ON L3
 D L4 1-2 IBIB ABS HITSTR

L5 FILE 'REGISTRY' ENTERED AT 15:25:43 ON 16 DEC 2006
 1 SEA ABB=ON PLU=ON KGGSTQNAQLLSLIVGKA/SQSP

L6 FILE 'HCAPLUS' ENTERED AT 15:26:14 ON 16 DEC 2006
 2 SEA ABB=ON PLU=ON L5
 D L6 1-2 IBIB ABS HITSTR
 D QUE STAT

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 DEC 2006 HIGHEST RN 915749-75-6
DICTIONARY FILE UPDATES: 15 DEC 2006 HIGHEST RN 915749-75-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE HCAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 16 Dec 2006 VOL 145 ISS 26
FILE LAST UPDATED: 15 Dec 2006 (20061215/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

T.S. Heard Ph.D.

10/797,626

This file contains CAS Registry Numbers for easy and accurate substance identification.